





QUALITY CERTIFICATE

Vessel

SHORE TANK NO. 3

Customer Operation SPRAGUE ANALYSIS Port Date

Terminal

SEARSPORT, MAINE

December 10, 2002

SPRAGUE

Report

SP/02/1213

Reference

Sample # 42778

Name of material being tested Description of sample source Samples Drawn by (company) Samples Tested by (company)

NO. 6 FUEL OIL 2.0%

EX. S/T NO. 3 AFTER DISCHARGE OF GEROI NOVOROSSIYSKA
INSPECTORATE
INSPECTORATE

GRAVITY, API @ 60 F FLASH POINT, F VISCOSITY, SSF @ 122 F POUR POINT, F WATER & SEDIMENT, % VOL. SULPHUR, % WT. ASTM D 4294 3H, % WT. ANADIUM, PPM SODIUM, PPM SODIUM, PPM BTU'S/POUND BTU'S/GALLON NITROGEN, % WT. ASTM D 4228 CARBON RESIDUE, % WT. ASTM D 4530 IP-143	ample Source
FLASH POINT, F VISCOSITY, SSF @ 122 F POUR POINT, F WATER & SEDIMENT, % VOL. SULPHUR, % WT. 3H, % WT. ANADIUM, PPM SODIUM, PPM BTU'S/POUND BTU'S/GALLON NITROGEN, % WT. CARBON RESIDUE, % WT. ASTM D 445/2161 ASTM D 445/2161 ASTM D 4796 ASTM D 4294 AA/AE AA/AE CALCULATION CONVERSION ASTM D 3228 ASTM D 3228 ASTM D 4530	
FLASH POINT, F VISCOSITY, SSF @ 122 F POUR POINT, F WATER & SEDIMENT, % VOL. SULPHUR, % WT. SH, % WT. ASTM D 4294 SH, % WT. ASTM D 482 AA/AE SODIUM, PPM BTU'S/POUND BTU'S/GALLON NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT. ASTM D 4530	
FLASH POINT, F VISCOSITY, SSF @ 122 F POUR POINT, F WATER & SEDIMENT, % VOL. SULPHUR, % WT. SH, % WT. ANADIUM, PPM SODIUM, PPM BTU'S/POUND BTU'S/GALLON NITROGEN, % WT. ASTM D 93 ASTM D 445/2161 ASTM D 1796 ASTM D 4294 AA/AE AA/AE CALCULATION CONVERSION NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT.	
VISCOSITY, SSF @ 122 F	12.7
POUR POINT, F WATER & SEDIMENT, % VOL. SULPHUR, % WT. SH, % WT. ASTM D 4294 AA/AE SODIUM, PPM AA/AE SODIUM, PPM BTU'S/POUND BTU'S/GALLON NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT.	200+
WATER & SEDIMENT, % VOL. SULPHUR, % WT. SH, % WT. ASTM D 4294 AA/AE SODIUM, PPM AA/AE BTU'S/POUND BTU'S/GALLON NITROGEN, % WT. ASTM D 4294 AA/AE CARBON RESIDUE, % WT. ASTM D 4294 AA/AE CALCULATION CONVERSION ASTM D 3228 ASTM D 4530	297
SULPHUR, % WT. ASTM D 4294 3H, % WT. ASTM D 482 ANADIUM, PPM AA/AE SODIUM, PPM AA/AE BTU'S/POUND CALCULATION BTU'S/GALLON CONVERSION NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT. ASTM D 4530	+32.0
3H, % WT. ASTM D 482 ANADIUM, PPM AA/AE SODIUM, PPM AA/AE BTU'S/POUND CALCULATION BTU'S/GALLON CONVERSION NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT. ASTM D 4530	0.20
3H, % WT. ASTM D 482 ANADIUM, PPM AA/AE SODIUM, PPM AA/AE BTU'S/POUND CALCULATION BTU'S/GALLON CONVERSION NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT. ASTM D 4530	1.747
ANADIUM, PPM AA/AE SODIUM, PPM AA/AE BTU'S/POUND CALCULATION BTU'S/GALLON CONVERSION NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT. ASTM D 4530	0.042
SODIUM, PPM AA/AE BTU'S/POUND CALCULATION BTU'S/GALLON CONVERSION NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT. ASTM D 4530	130
BTU'S/POUND CALCULATION BTU'S/GALLON CONVERSION NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT. ASTM D 4530	26
NITROGEN, % WT. ASTM D 3228 CARBON RESIDUE, % WT. ASTM D 4530	18,379
CARBON RESIDUE, % WT. ASTM D 4530	150,193
CARBON RESIDUE, % WT. ASTM D 4530	0.489
	14.63
	6.12
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DENNIS E. CURTIS

Inspectorate America Corp (Searsport, Me.)